

Appendix A

National Park Service Reports and Fabric Analysis (for complete reference, see Bibliography)

1. Paint Analysis and Recommendations for the H.S.T. Home
May, 1986 by Marie Carden
2. Physical Investigation Report - Truman Home (HS-01)
July 24-26, 1984 by Michael Lee and Alan O'Bright,
National Park Service, Midwest Regional Office
3. Physical Investigation Report and Treatment Proposal
Truman Carriage House (HS-2) Foundation
December 3-5, 1985 by Alan O'Bright,
National Park Service, Midwest Regional Office
4. Analysis of Condition Report
HS-1 Truman Home
February 14, 1985 by Restoration Associates
5. Truman Garage Structural Report
Letter dated February 24, 1986 by Harper & Kerr
6. Handicap Access Survey of Harry S. Truman National Historic Site
November 7, 1984 by Outdoor Recreation Planner, Professional
Support Division, National Park Service, Denver Service Center
7. Harry S. Truman House, Electrical Report
March 31, 1986 by M. A. Panethiere (AEC)
8. Truman Residence, Carriage House Wiring
July 12, 1985 by John Mueller, Electrician
9. Exterior Woodwork Number 2 Preservation Tech Notes, June 18,
1986, by Alan O'Bright (photo copy)

Appendix B

Chronological List of Work Completed by the National Park Service

1. CX6000-4-0020, \$44,900.00. Roof Repair, March-April 1984. Penn Perry Inc., Wexford, PA. Repair/replacement of flat seam metal roofing, built-in gutters and downspouts.
2. CX6000-4-0028, \$12,655.00. Rehabilitate Electrical System, Truman home, Dec. 1983-April 1984. Watkins Electric Co., Independence, MO.
3. CX6000-4-0062, \$3,900.00. Sidewalk Repair, April 1984. Hamilton Concrete Construction, Independence, MO. Partial replacement of sidewalk inside of fence.
4. PX1100-4-115, 7, 716.07. Visitor use carpet, April 1984. Robert T. Baker, Kansas City, Missouri. Historic wall-to-wall carpeting was removed from spaces 102, 103, 107, and 110. Historic carpet was moved to storage at Truman Library. New natural and grey colored nylon carpet from the floorcoverings division of Dan River Inc. was installed in the spaces listed above as well as a platform into space 109, a runner through 111 and 113. Grey indoor-outdoor carpet was installed on back porch (space 114E). The above purchase order was amended later in April for an additional \$1,113.21. Modifications to grey visitor path were made by PX 6460-4-0079, \$180.00 in September, 1984 and PX 6460-5-0051, \$135.00 in September, 1985.
5. PX6460-5-0030, \$1,258.82. Plumbing, April 1985. Evans Plumbing & Heating, Independence, MO. Replaced existing water pipes in Truman home basement using type K hard drawn copper pipe; replaced in-ground hydrant near water meter; and repaired leaking 4" lead drain pipe.
6. PX6460-5-0018, \$352.62. Hot Water Heater, May 1985. Evans Plumbing & Heating, Independence, MO. Installed Dayton 6 gallon, electric, 120 volt, 15 7/8"H x 15" diam. water heater; cabinet with double bowl stainless steel sink and faucet w/spray in basement of Truman home; and drained existing 40 gal. water heater but did not disconnect it.
7. PX6460-5-0033, \$1,180.00. Rewire Carriage house, June-July 1985. MDG Company, John Mueller owner, Independence, MO. Rewired Carriage house; disconnected existing aerial electrical service at the power pole; disconnected existing aerial branch circuits; installed underground conduit, 2-1/2" inside diameter PVC; galvanized electrical metal tubing; copper wire w/insulation rating of 600

volts; outlet, pull, and junction boxes. All service was connected to existing panelboard in Truman home basement. Disconnected aerial lines remained in place.

8. PX6000-4-0641, \$4,497.09. Lightning Protection System, August 1985. A.C. Lightning Security Inc., Maryville, MO.
9. CX6000-4-0097, \$233,220.00. Repainting/Repair of Truman home, Including Masonry Restoration and Window Repair, October 1984-November 1985. Campos Construction Co., Omaha, NE. (Cost includes all modifications)
10. CX6000-4-0097, \$9,031.00 (Modification #5 of Repainting/Repair of Truman home contract). Heating/Air Conditioning, October 1985. Subcontracted from Campos Construction Co. by Morton Heating & Air Conditioning, Independence, MO. Installed two Carrier outdoor condensing units, series 38 on concrete pads on north side of kitchen (space 113). Installed two Carrier 58DH/SS induced-draft gas-fired furnaces, upflow, in furnace room (space 003) replacing historic gas furnace.
11. CX6000-5-0042, \$25,164.00. Security Systems, October 1985-March 1986. Sentry Protective Alarms, Inc., Overland Park, Kansas. Fire detection system consists of control panel w/16 zones; heat, photoelectric and ionization detectors, and interior and exterior audible alarms. Intrusion detection system consists of control panel w/8 zones; infra-red passive detectors; local exterior and interior audible alarms.
12. PX6460-6-0039, \$1,965.00. Exterior Security Lighting, May 1986. John Mueller, Independence, MO. Installed four (4) metal halide flood lamps with PVC underground conduit and installed four (4) photoelectric cells for existing exterior lighting.

Appendix C

Anticipated Work by the National Park Service

1. Reroof Truman Home

Material - Match existing asphalt shingles.

(NOTE: Historic shingles were installed in 1969. The shingles were discontinued by GAF in 1984. No shingle manufacturer currently makes two-tab shingles. A minimum of 1,000 squares is required for a GAF custom order. The Truman home requires about 34 squares of asphalt shingles.

Cost - Two-tab shingles - \$50,000 - \$100,000
 - Three-tab shingles - \$15,000
 - Slate shingles - \$60,000

Date - Possibly in 1988.

2. Repair Rotted Posts in Carriage House (HS-02)

Material - Epoxy consolidation as per "Physical Investigation Report and Treatment Proposal, Truman Carriage House (HS-2) Foundation" dated December 1985.

Cost - Work performed by National Park Service staff (Alan O'Bright and Michael Lee).
 Materials cost estimated at \$5,000.

Date - Fall, 1986.

3. Paint Steel Picket Fence

Material - Repaint to match existing.

Cost - \$14,000

Date - Fall, 1986.

Appendix D

List of Site Structures

List of Classified Structures (LCS)
Park Historic Architecture Division
National Park Service, FTS-343-8149

Park/Region Report

Struc Num: HS-01 Org. Code: 6460 IDLCS: 23694

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Home	Period:	Historic	
StrucComp:	Wood	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Building	Nr Stat:	Entered on Register	05/31/85
CurrntUse:	Museum/Collection Storage	Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:		Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-02 Org. Code: 6460 IDLCS: 23695

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Carriage House	Period:	Historic	
StrucComp:	Wood	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Building	Nr Stat:	Entered on Register	05/31/85
CurrntUse:	Museum/Collection Storage	Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:		Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-03 Org. Code: 6460 IDLCS: 23696

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Fence	Period:	Historic	
StrucComp:	Metal	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Fence	Nr Stat:	Entered on Register	05/31/85
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:	Estimator:	
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Ccst:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-04 Org. Code: 6460 IDLCS: 23697

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Pergola	Period:	Historic	
StrucComp:	Brick	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Other	Nr Stat:	Entered on Register	05/31/85
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:	Estimator:	
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-05 Org. Code: 6460 IDLCS: 23698

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Birdbath	Period:	Historic	
StrucComp:	Concrete	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Other	Nr Stat:	Entered on Register	05/31/85
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:	Estimator:	
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-06 Org. Code: 6460 IDLCS: 23699

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region
StrucName:	Truman Secret Service Security Booth Site	Period:	Historic
StrucComp:	Fabric	Mgt. Cat.:	A Must Be Preserved
StrucType:	Other	Nr Stat:	
CurrntUse:		Legal Int:	Fee Simple
Mgt. Agree:		Level of Estimate:	Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:	/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:	/
Approved Ult. Treatment:	NFS Responsibility	Approval Document:	

Struc Num: HS-07 Org. Code: 6460 IDLCS: 23700

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region
StrucName:	Truman Sundial	Period:	Historic
StrucComp:	Concrete	Mgt. Cat.:	A Must Be Preserved
StrucType:	Other	Nr Stat:	Entered on Register
CurrntUse:		Legal Int:	Fee Simple
Mgt. Agree:		Level of Estimate:	Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:	/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:	/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:	

05/31/85

Struc Num: HS-08 Org. Code: 6460 IDLCS: 23701

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region
StrucName:	Truman Flagpole	Period:	Historic
StrucComp:	Metal	Mgt. Cat.:	A Must Be Preserved
StrucType:	Other	Nr Stat:	Entered on Register
CurrntUse:		Legal Int:	Fee Simple
Mgt. Agree:		Level of Estimate:	Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:	/
Routine Maintenance:	NFS Responsibility	Approved Treatment Cost:	/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:	

05/31/85

Struc Num: HS-09 Org. Code: 6460 IDLCS: 23702

Park:	Harry S. Truman National Historic Site	Region:	Midwest Region	
StrucName:	Truman Gas Lamp	Period:	Historic	
StrucComp:	Metal	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Other	Nr Stat:	Entered on Register	05/31/85
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:		Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-10 Org. Code: 6460 IDLCS: 23703

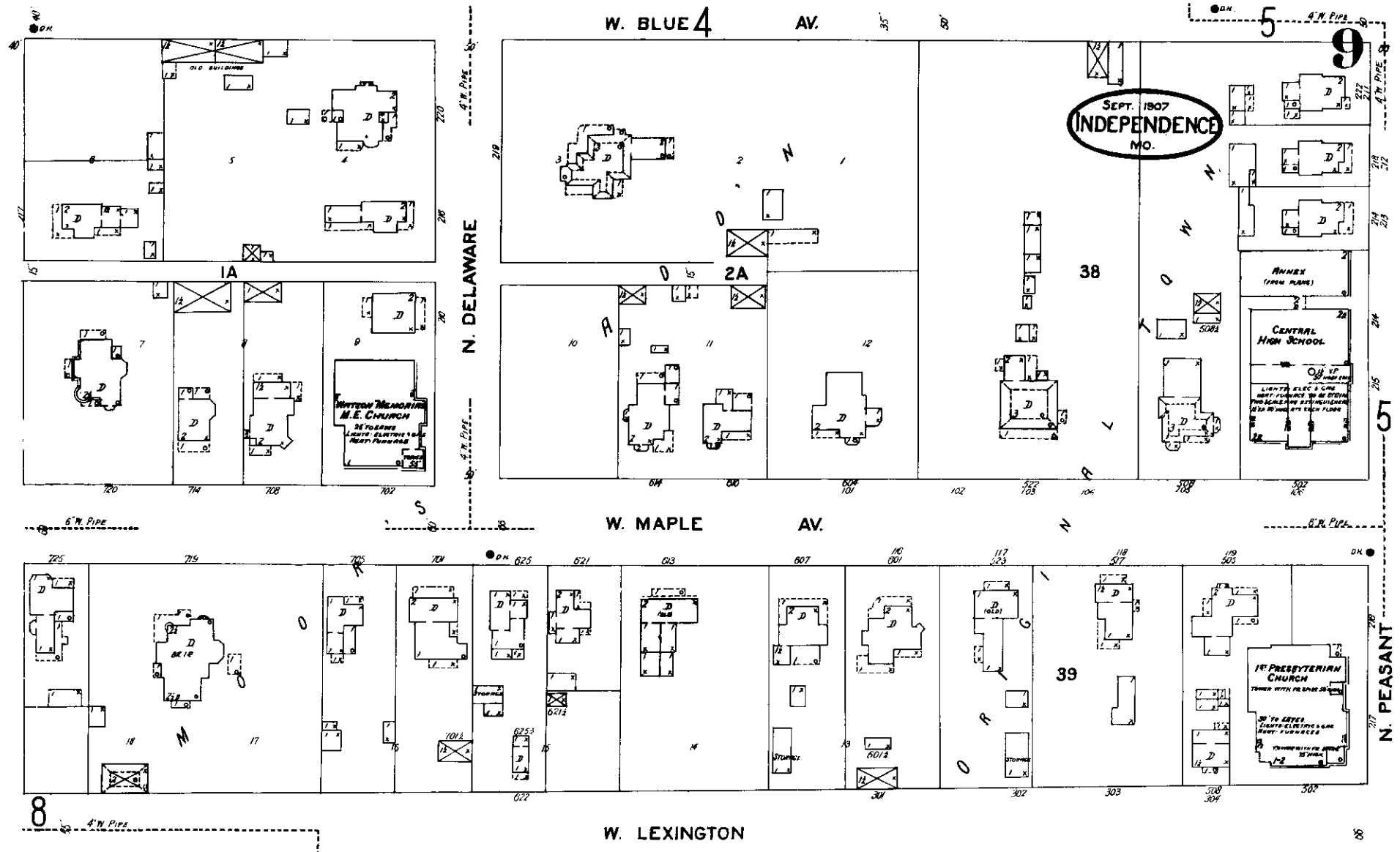
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StrucName:	Truman Cistern	Period:	Historic	
StrucComp:	Brick	Mgt. Cat.:	A Must Be Preserved	
StrucType:	Other	Nr Stat:	Entered on Register	05/31/85
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:		Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	No Approved Treatment	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-11 Org. Code: 6460 IDLCS: 23704

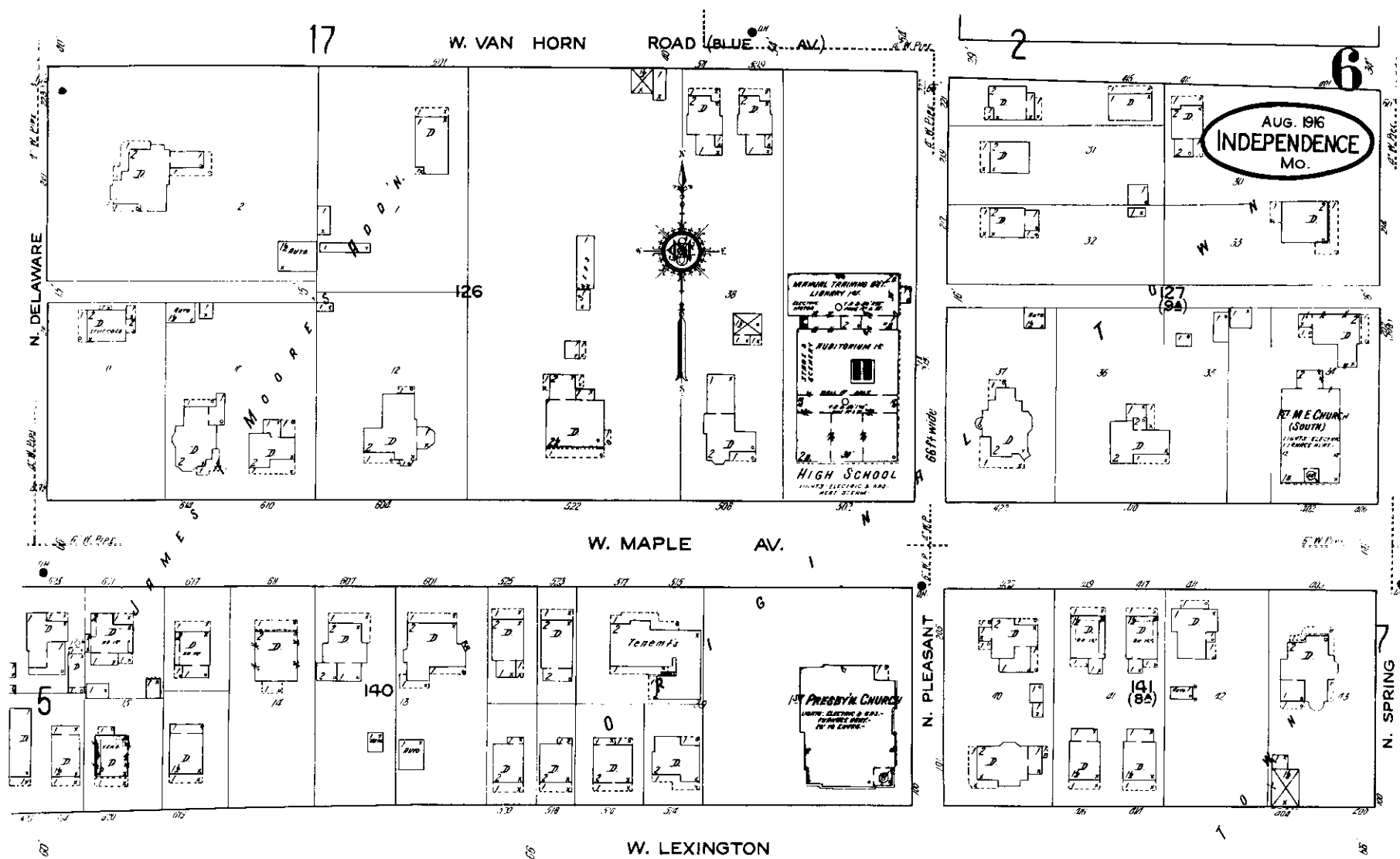
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StrucName:	Historical Marker	Period:	Period	
StrucComp:	Metal	Mgt. Cat.:		
StrucType:	Other	Nr Stat:	Undetermined NR Status	
CurrntUse:		Legal Int:	Fee Simple	
Mgt. Agree:		Level of Estimate:		Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	Preservation	
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:		/
Routine Maintenance:	NPS Responsibility	Approved Treatment Cost:		/
Approved Ult. Treatment:	NPS Responsibility	Approval Document:		

Struc Num: HS-12 Org. Code: 6460 IDLCS: 23705

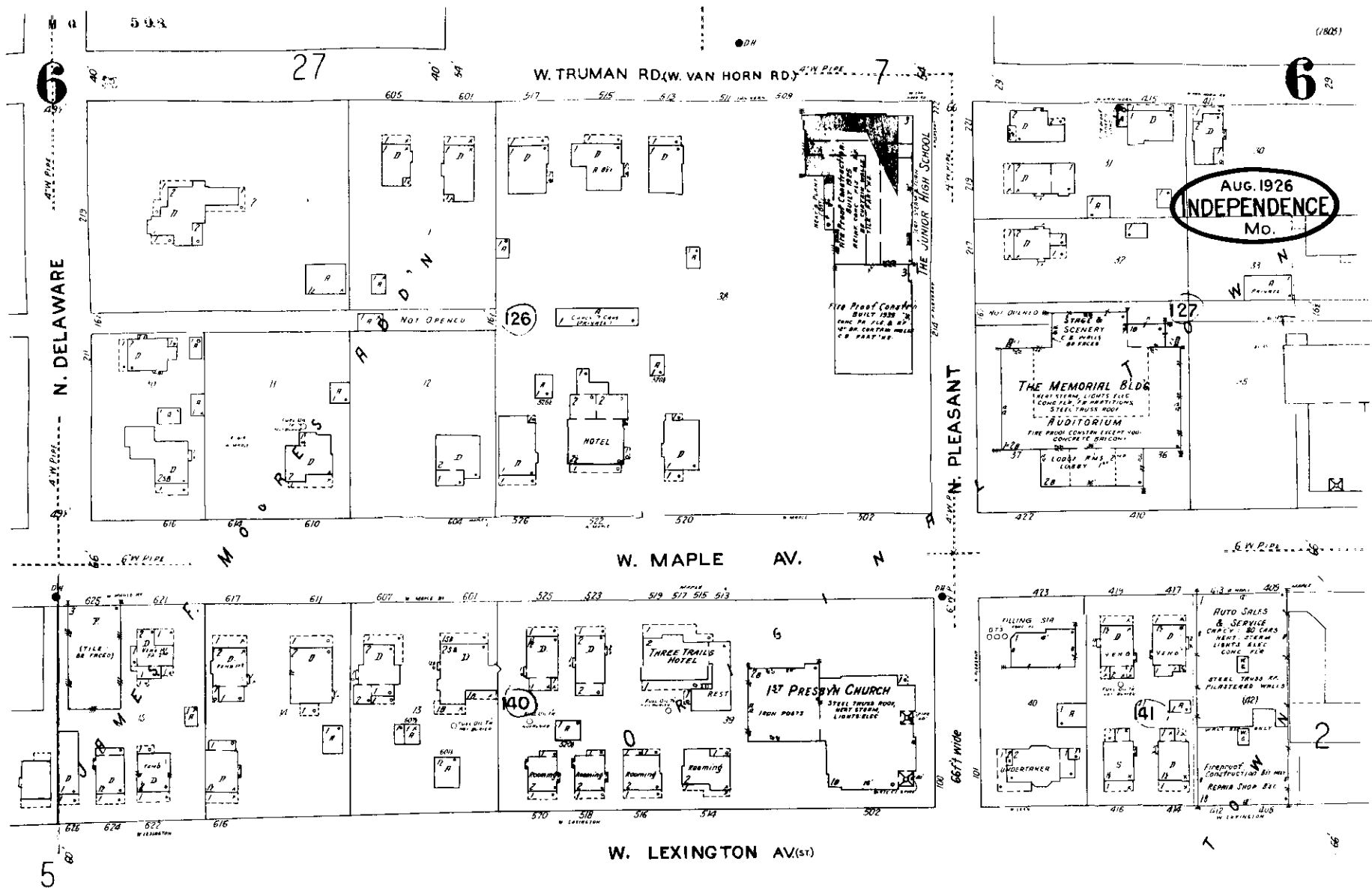
Park:	Harry S. Truman National Historic Site	Region:	Midwest Region
StrucName:	Concrete Foundation	Period:	Historic
StrucComp:	Concrete	Mgt. Cat.:	A Must Be Preserved
StrucType:	Other	Nr Stat:	Undetermined NR Status
CurrntUse:		Legal Int:	Fee Simple
Mgt. Agree:		Level of Estimate:	Estimator:
Stabilization:	NPS Responsibility	Approved Ult. Treatment:	Preservation
Cyclic Maintenance:	NPS Responsibility	Stabilization Cost:	/
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Approved Ult. Treatment:	NPS Responsibility	Approval Document:	



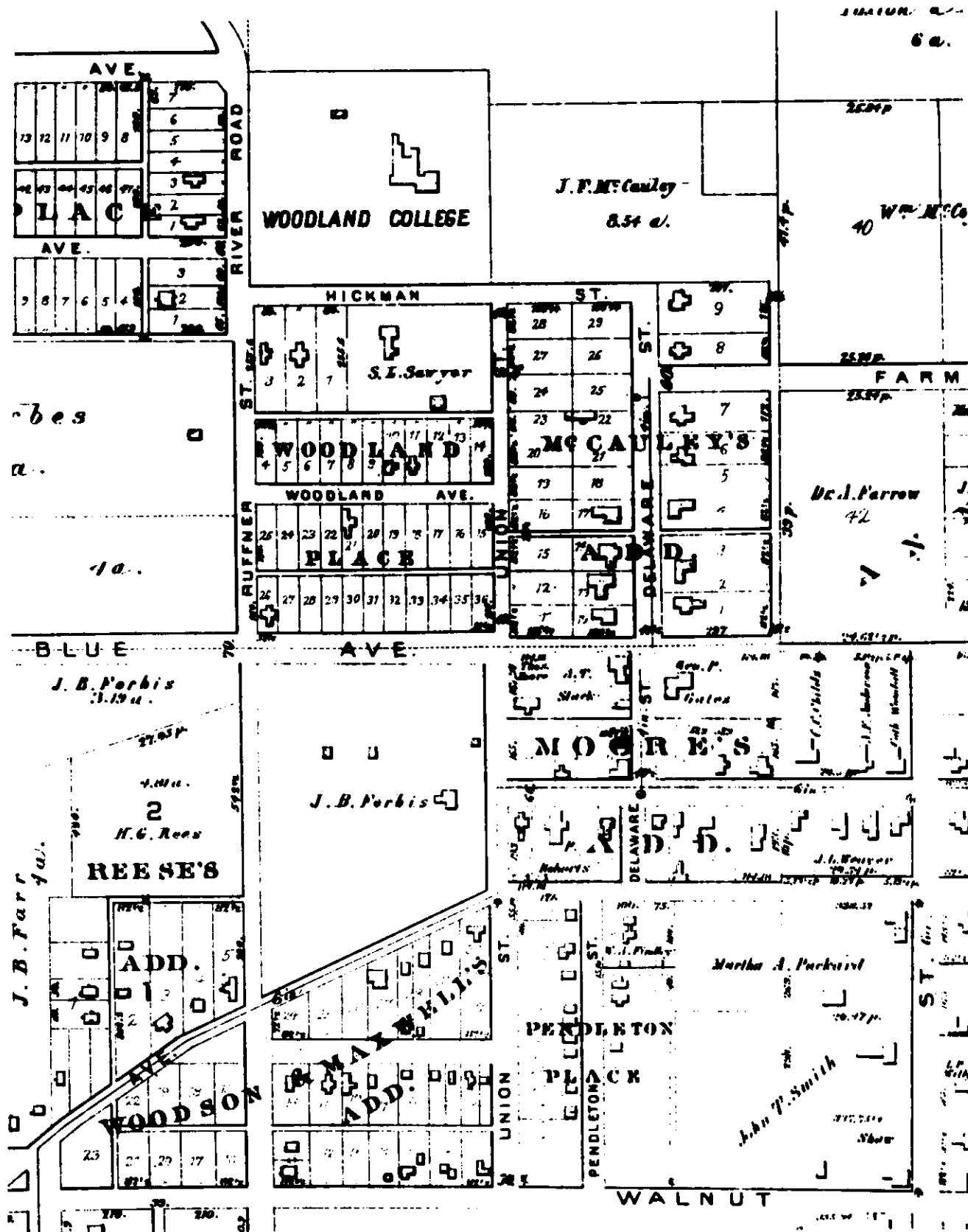
Appendix E. (a) Sanborn Map of Independence, Missouri; September, 1907.



Appendix E. (b) Sanborn Map of Independence, Missouri; August, 1916.



Appendix E. (c) Sanborn Map of Independence, Missouri; August, 1926.



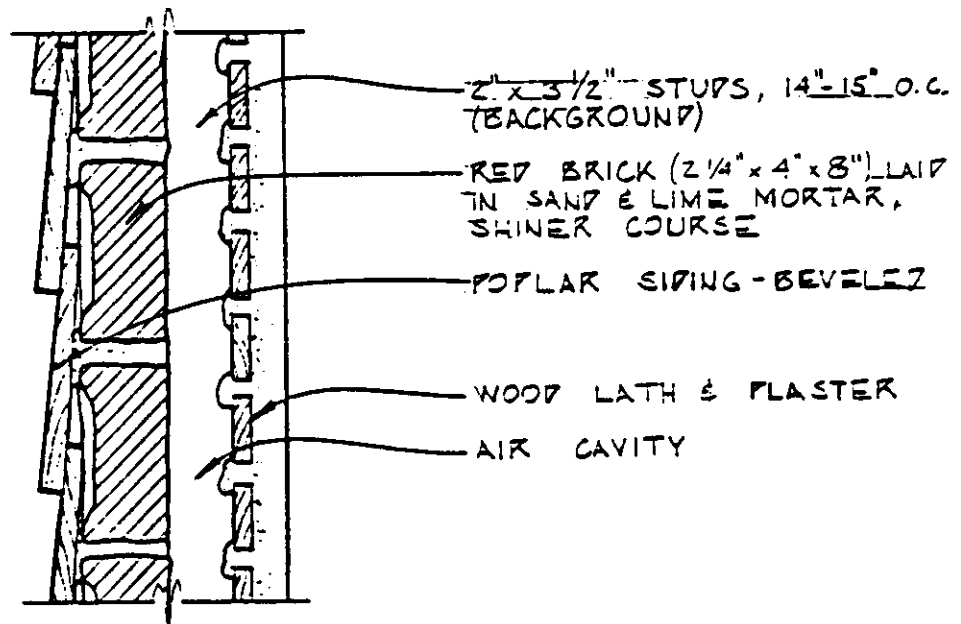
Appendix E. (f) Map of Independence. From Atlas of the Environs of Kansas City in Jackson County, Missouri; 1886.

TABLE 'A' : PHYSICAL INVESTIGATION
TRUMAN HOME (HS-01)

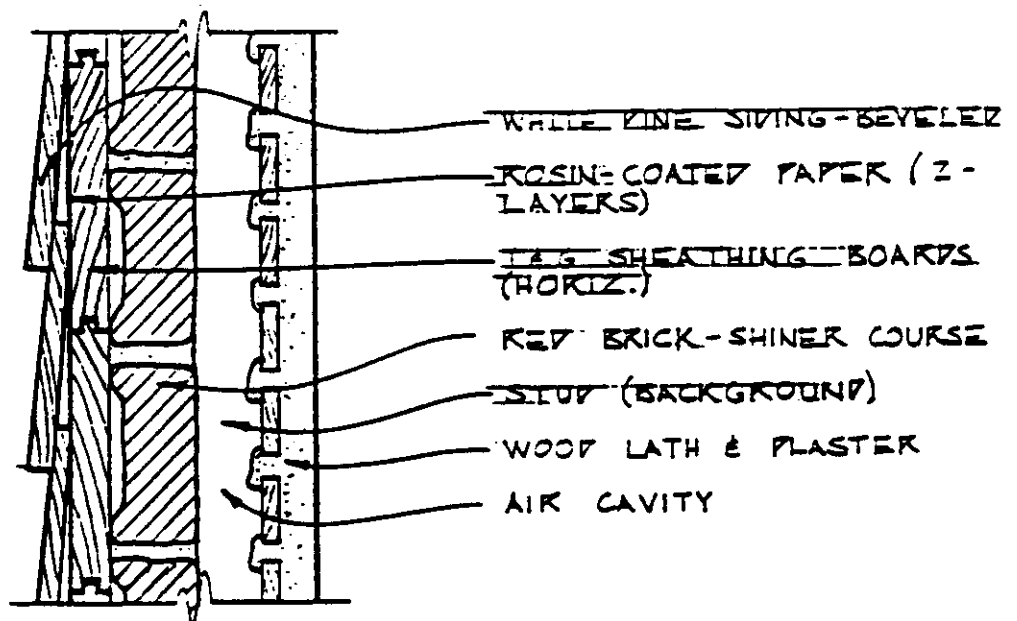
LOCATION MARK	WOOD SIDING			W/ SHEATHING		NOGGING	PET.	REMARKS
	DIM.	SPEC.	SHAPE	DIM.	SPEC.			
S-W1	1/2" x 5 1/2"	W. P.	BEV.	7/8"-T&G	W. P.	NO	—	T&G SHEATHING (HORIZ.) W/ CUT NAILS; 2" x 4" (?) STUDS LAID FLAT, OAK; DIAG. WOOD LATH.
S-W2	1/2" x 5 1/2"	DOFLAK	BEV.	—	—	YES	A	BRICK NOGGING III SHINER COURSE
S-W3	1/2" x 5 1/2"	W. P.	BEV.	7/8"-T&G	W. P.	NO	—	BALLOON FRAME (22' STUDS); STUDS 16" O.C.; 2" WALL CAVITY.
S-N1	1/2" x 5 1/2"	DOFLAK	BEV.	—	—	YES	C	LIFTED SIDING ONLY; BALLOON FRAME.
S-E1	1/2" x 5 1/2"	W. P.	BEV.	7/8"-T&G	W. P.	NO	—	T&G HORIZ. SHEATHING W/ CUT NAILS; 2-INCH WALL CAVITY.
S-S1	1/2" x 5 3/8"	W. P.	BEV.	7/8"-T&G	W. P.	NO	D	T&G HORIZ. SHEATHING W/ CUT NAILS.
S-S2	1/2" x 5 3/8"	W. P.	BEV.	7/8"-T&G	W. P.	YES	B	2-LAYERS ROSIN-COATED BUILDING PAPER OVER 1x HORIZ. SHEATHING W/ WIRE NAILS. APPEARS RECENT.
S-S3	3/8" x 5 1/2"	W. P.	BEV.	7/8"-T&G	W. P.	NO.	—	2" x (4"-?) STUDS @ 16" O.C.

W. P. = WHITE PINE; BEV. = BEVELED

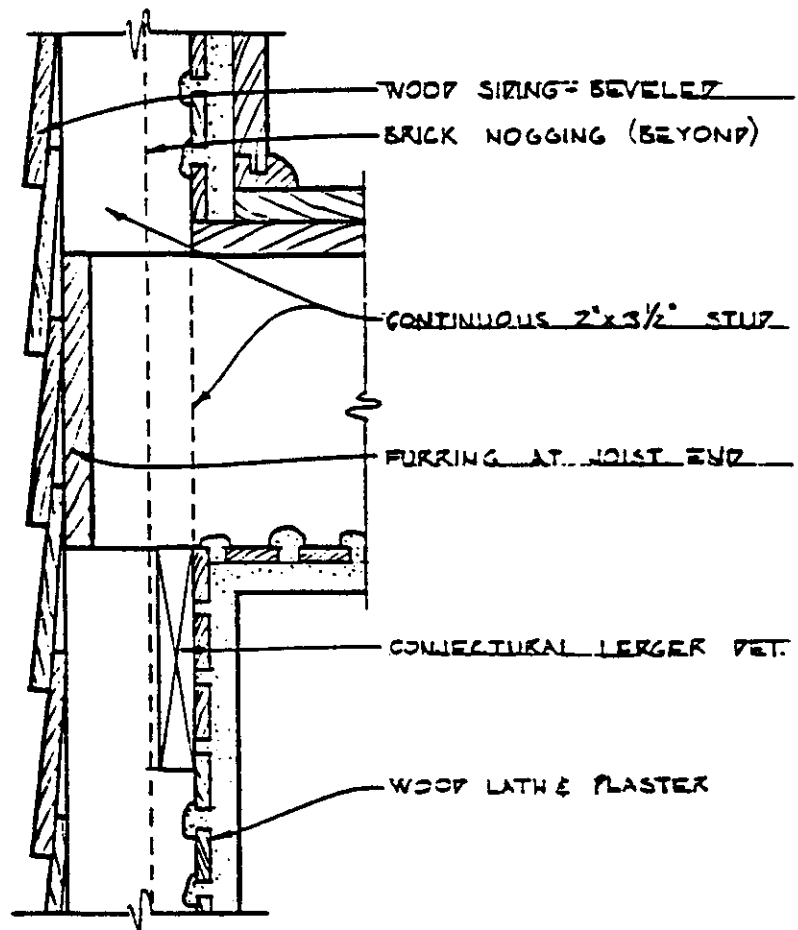
Appendix F. (a)Table A, from "Physical Investigation Report, Truman Home [PIR(HS-01)]," July 24-26, 1984.
Credit: Michael Leo, Alan O'Bright



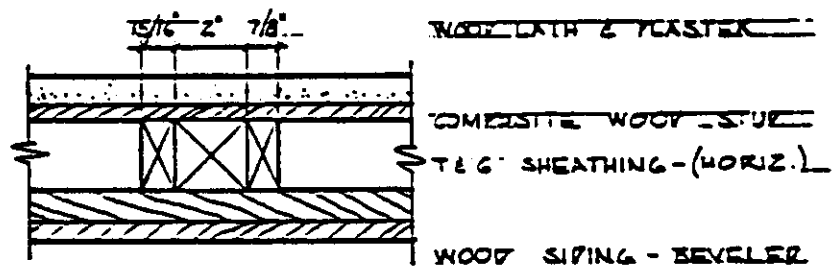
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SCALE: 3" = 1'-0" (B) WALL SEC. DETAIL



SCALE: 3" = 1'-0" (C) WALL SEC. DETAIL
AT 2ND FLOOR

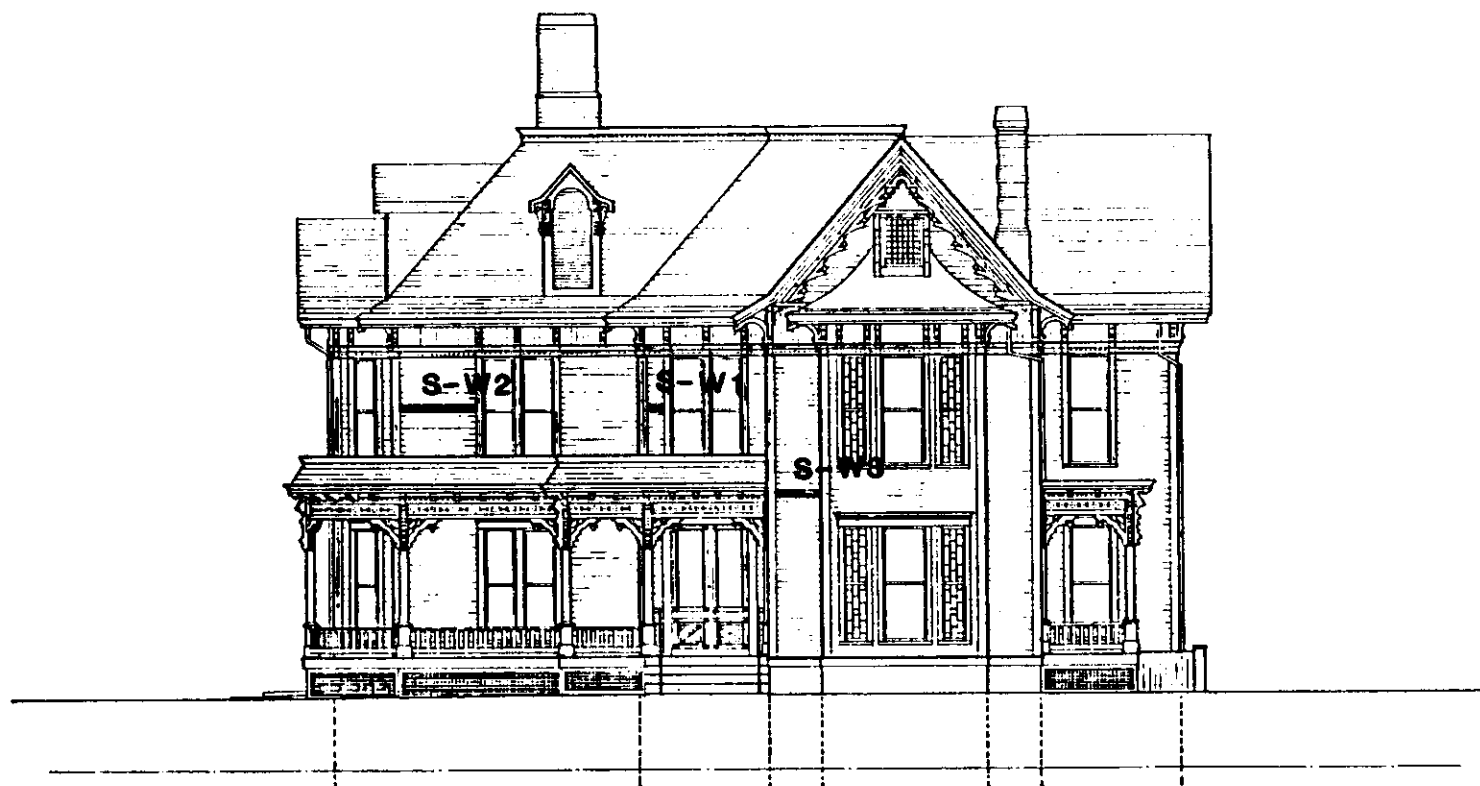


SCALE: 3" = 1'-0" (D) WALL SEC DETAIL
PLAN



EXTERIOR ELEVATION - NORTH

SCALE : 1/4" = 1'-0"



EXTERIOR ELEVATION - WEST

SCALE : 1/4" = 1'-0"

Appendix F. (c) Sample locations. PIR(HS-01).



EXTERIOR ELEVATION - SOUTH

SCALE : 1/4" = 1'-0"

Appendix F. (c) Sample locations. PIR(HS-01).



EXTERIOR ELEVATION - EAST

SCALE : 1/4" = 1'-0"

Appendix F. (c)Sample locations. PIR(HS-01).

CARRIAGE HOUSE (HS-2)

HARRY S TRUMAN NHS

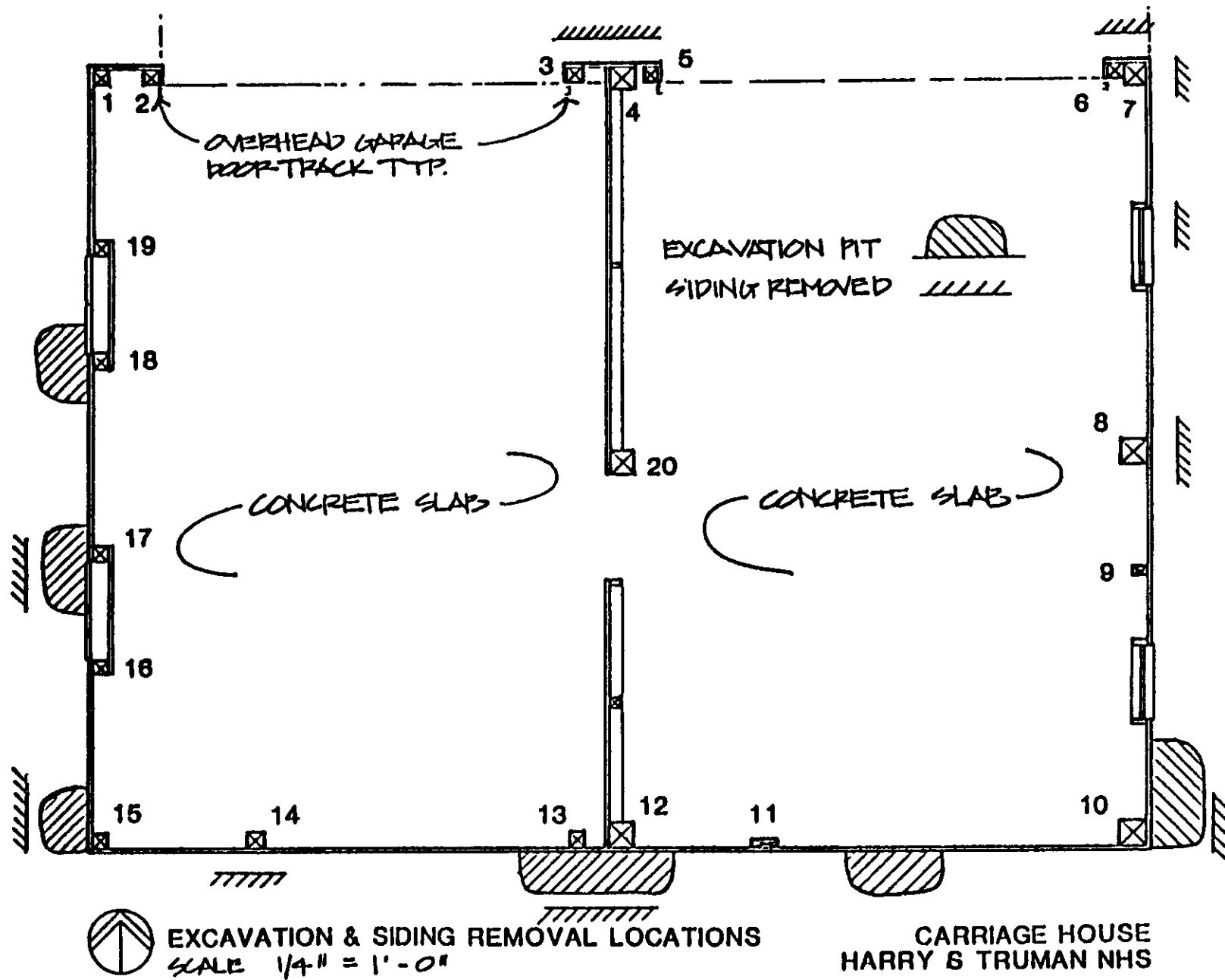
POST BASE CONDITION SCHEDULE

MARK	DIMENSIONS	BEARING CONDITION				DETAIL	NOTES
		GOOD	FAIR	POOR	VERY POOR		
1	6x6				●		NFB, NSB
2	6x6				●		NFB, NSB
3	5 1/2 x 5 3/4				●		NSB, ROT
4	9x9 HH				●		NSB, ROT
5	5 1/2 x 5 3/4				●		NSB, ROT
6	5 1/2 x 5 3/4				●	5	NSB, ROT
7	9x9 HH			●		5	NSB, ROT
8	8 1/2 x 8 1/2 HH		●			4	NSB, ROT, T
9	4x4						NE
10	8 1/2 x 8 1/2 HH				●		NSB, ROT, T
11	2x8						NE
12	8 1/2 x 8 1/2 HH				●	2,3	NSB, ROT
13	5 1/2 x 5 3/4				●	3	NSB, ROT
14	5 1/2 x 5 3/4				●		NSB, ROT
15	5 1/2 x 5 3/4			●		1	ROT, T
16	4x4						NE
17	5 1/2 x 5 3/4			●		1	NSB, ROT
18	5 1/2 x 5 3/4			●		1	NSB, ROT
19	4x4						NE
20	9x9 HH				●		NSB(?), ROT

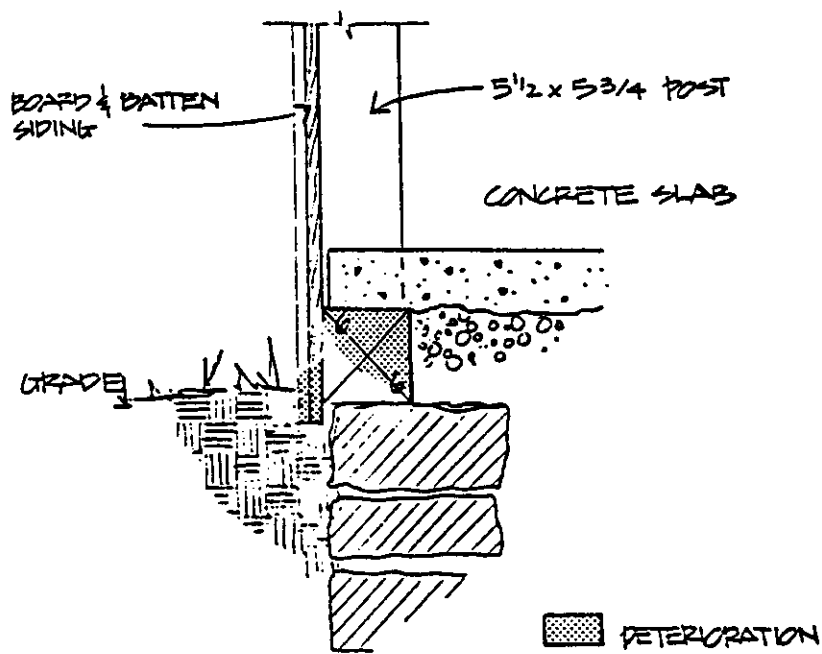
KEY

HH HAND HEWN
 NFB NO FOUNDATION BEARING
 NSB NO SILL BEARING

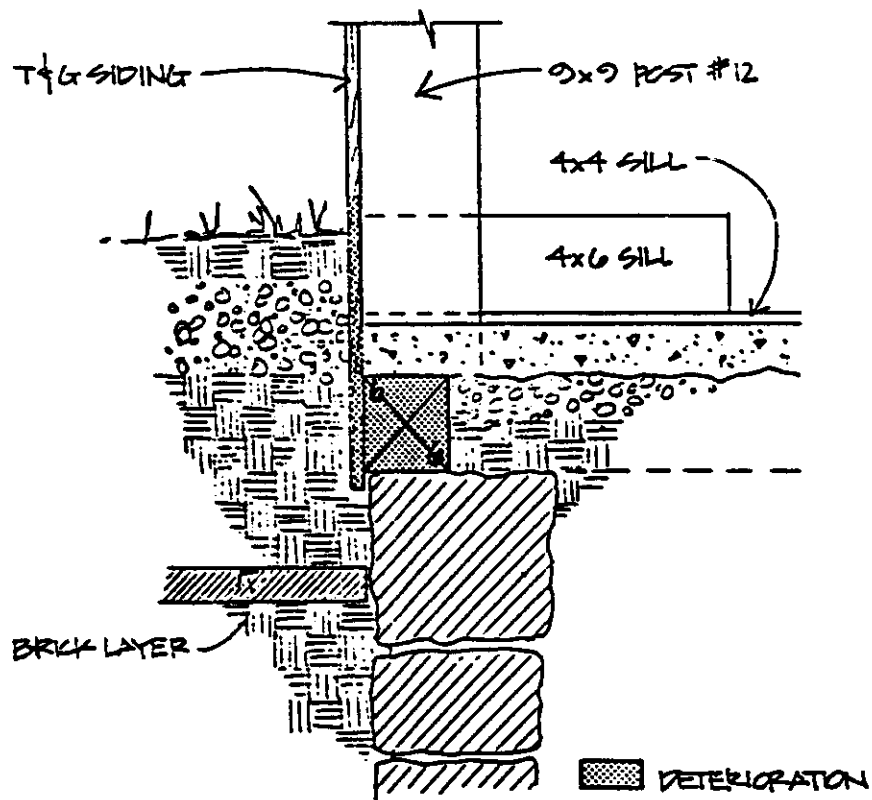
ROT ROTTED BASE
 T TERMITE DAMAGE
 NE NOT EXAMINED.



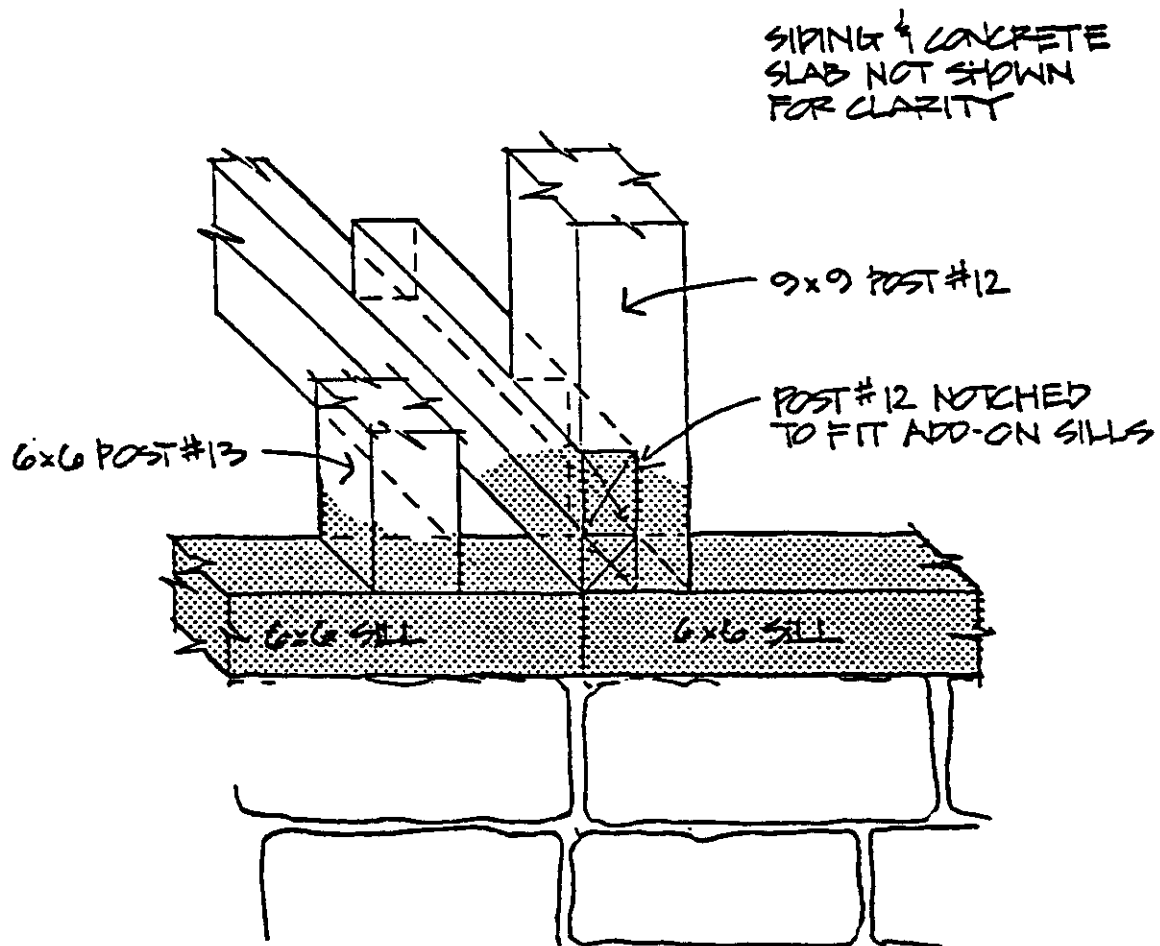
Appendix G. (b) Post Location Key. PIR(IIS-02).



① WEST ELEV. - TYP. SILL DETAIL
SCALE 1 1/2" = 1'-0"

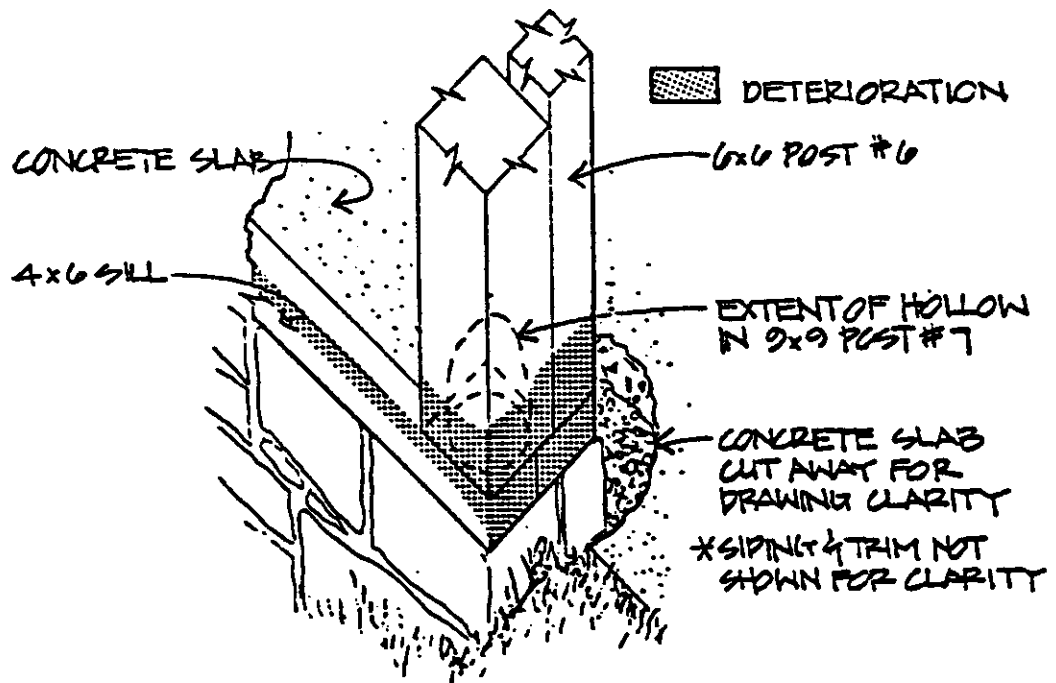
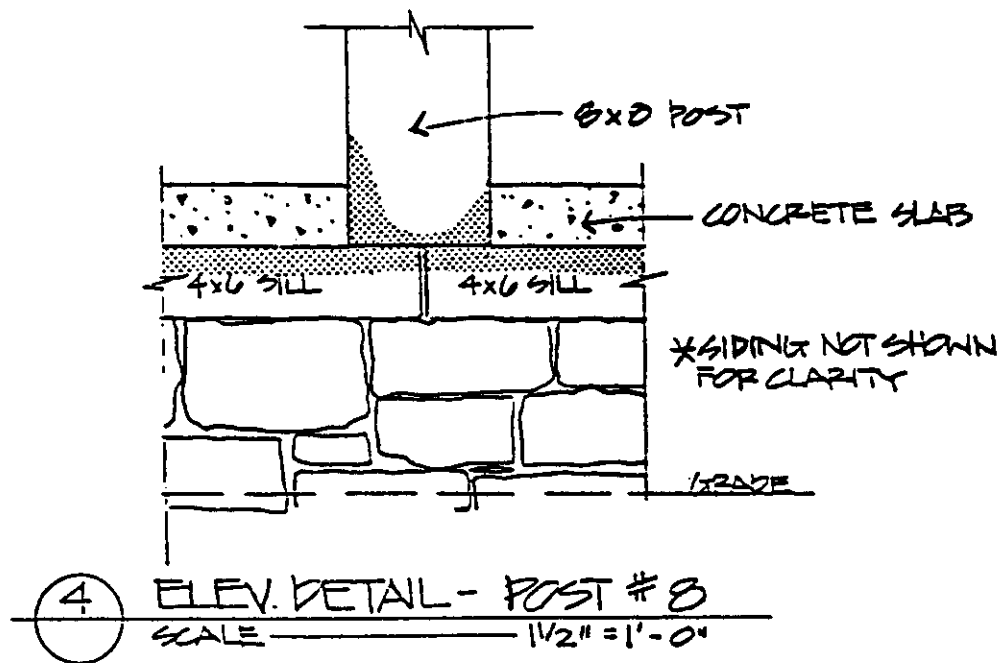


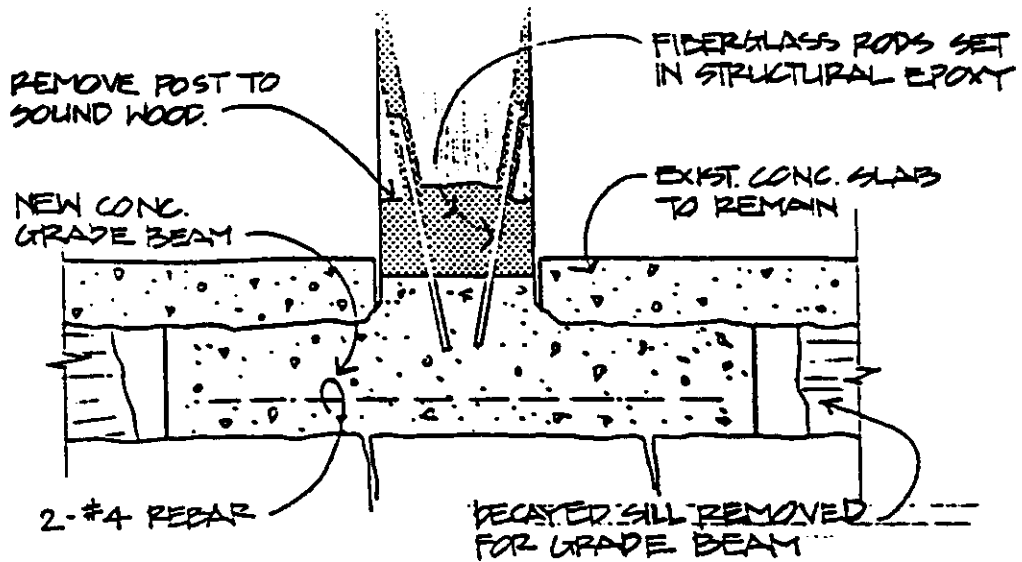
② SOUTH ELEV. SILL DETAIL
SCALE 1 1/2" = 1'-0"



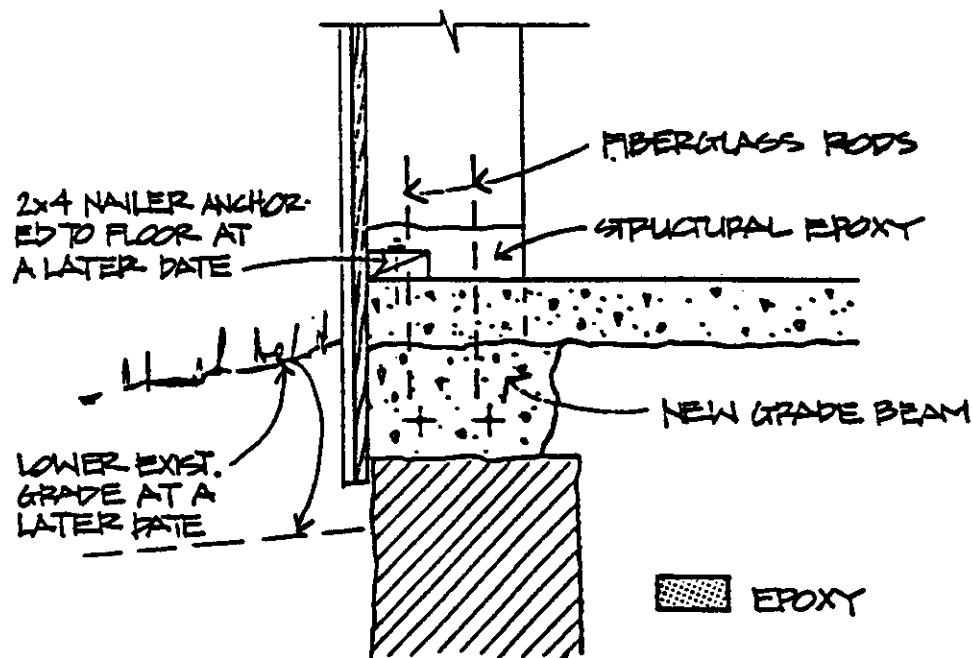
DETERIORATION

③ POST #12 DETAIL
SCALE ——— 1" = 1'-0"





⑥ POST REPAIR PROPOSAL - TYP. ELEV. SEC.
SCALE 1 1/2" = 1'-0"



⑦ POST REPAIR PROPOSAL - TYP. SECTION
SCALE 1 1/2" = 1'-0"



Appendix G. (d)Post #10, southwest corner.
PIR(HS-02).

Restoration Associates, a division of Solomon Claybaugh Young Architects, Inc. "Analysis of Condition Report HS-1 Truman Home, Truman Home National Historic Site." Kansas City, February 14, 1985.

Ruger, A. Bird's Eye View of the City of Independence, Jackson County, Missouri. 1868.

United States Department of the Interior. "Handicap Access Survey of Harry S Truman National Historic Site." A7615 (DSC-MPG). Denver, National Park Service, March 22, 1985. Photocopy.

_____. "Alternative to the Stair-Trac for the handicapped access of Harry S Truman National Historic Site." H3015 (MWR-PC). Omaha National Park Service, May 29, 1986. Photocopy.

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- _____. "Truman Garage, Independence, Missouri." Kansas City, Harper and Kerr Structural Engineers, P.A., February 26, 1986. Photocopy.
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